

Abstract of the Disclosure

A method for processing a signal and a bearer separately in an ALL IP network system including one or mobile stations, one or more radio networks and one or more core network includes the steps of: transmitting a service request message from the mobile station to the radio network; at the radio network, determining whether a circuit-related service or a packet-related service is requested; if the packet-related service is requested, transmitting the service request message from the radio network to the core network without performing any process of the service request message; at the core network, performing a process of the service request message and requesting the radio network to assign the bearer for user data; and assigning the bearer in response to the assignment request.